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(54) Anti-obesity proteins

(57) The present invention provides anti-obesity proteins, which when administered to a patient regulate fat tissue. Accordingly, such agents allow patients to overcome their obesity handicap and live normal lives with much reduced risk for type II diabetes, cardiovascular disease and cancer. The peptides are represented by mentioned DNA string or by analogs thereof:

Val Pro Ile Gln Lys Val Gln Asp Asp Thr Lys Thr Leu Ile Lys Thr 15

Ile Val Thr Arg Ile Asn Asp Ile Ser His Thr Gln Ser Val Ser Ser 25

Lys Gln Lys Val Thr Gly Leu Asp Phe Ile Pro Gly Leu His Pro Ile 45

Leu Thr Leu Ser Lys Het Asp Gln Thr Leu Ala Val Tyr Gln Gln Ile 50

Leu Thr Ser Het Pro Ser Arg Asn Val Ile Gln Ile Ser Asn Asp Leu 65

Glu Asn Leu Arg Asp Leu Leu His Val Leu Ala Phe Ser Lys Ser Cys 95

His Leu Pro Gln Ala Ser Gly Leu Glu Thr Leu Asp Ser Leu Gly Gly 110

Val Leu Glu Ala Ser Gly Tyr Ser Thr Glu Val Val Ala Leu Ser Arg 125

Leu Gln Gly Ser Leu Gln Asp Het Leu Trp Gln Leu Asp Leu Ser Pro 130

Gly Cys 145

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